PATENT ABSTRACTS OF JAPAN

(11)Publication number: 2002-152849 (43)Date of publication of application: 24.05.2002

(51)Int.Cl. H04Q 7/38

H04J 13/00

(21)Application number: 2001-274702 (71)Applicant: LUCENT TECHNOL INC

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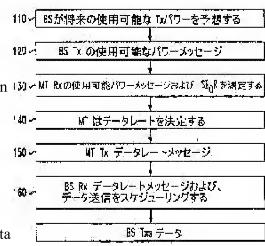
(30)Priority

Priority number: 2000 658084 Priority date: 11.09.2000 Priority country: US

(54) METHOD FOR INTEGRATING POWER-CONTROLLED TRANSMISSION AND RATE-CONTROLLED TRANSMISSION ON SAME FREQUENCY CARRIER

PROBLEM TO BE SOLVED: To disclose a method that uses transmission power information so as to decide a data rate thereby integrating a voice service and a data service on a same frequency channel in which the available transmission power information indicates an amount of transmission power available for future data transmission on one data channel or more.

SOLUTION: A transmitter or a base station transmits an INAMI REDIEVED AND AND TOTAL STREET AND THE STREET AND available power message denoting a quantity of available transmission power to a mobile phone for a prescribed future time via a forward link. The mobile phone performs signal-to-interference measurement corresponding to the received forward link and the received interference and decides a data rate supported by the mobile phone by using the signal to interference wave and the available power message. The decided data rate corresponds to a maximum data rate at which a minimum level of quality of service can be achieved at the mobile phone.



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